

# EAST Search History

10/821,038

| Ref # | Hits    | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|--|------------------|---------|------------------|
| L4    | 1057507 | channel mixing matrix and herault\$1juttent             | USPAT  | OR               | OFF     | 2007/08/17 18:13 |
| L5    | 0       | (channel adj1 mixing adj1 matrix) and herault\$1juttent | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/17 18:14 |
| L6    | 0       | (channel) and herault\$1juttent                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/17 18:14 |
| L7    | 0       | channel and herault\$1juttent                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/17 18:15 |
| L8    | 9       | channel and herault\$1juttent                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/17 18:15 |
| L9    | 4       | channel and herault\$1juttent adj1 network              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/08/17 19:03 |

## EAST Search History

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| L10 | 3  | (multi\$1input\$1 ADJ1<br>multi\$1output\$1 OR multi\$1 ADJ1<br>input\$1 ADJ1 multi\$1 ADJ1<br>output\$1 OR MIMO OR<br>single\$1input\$1 ADJ1<br>multi\$1output\$1 OR single ADJ1<br>input\$1 ADJ1 single\$1 ADJ1<br>output\$1 OR SIMO) AND<br>(multi\$1antenna\$1 OR antenna\$1<br>OR ant\$1) SAME (channel\$1 OR<br>sub\$1channel\$1) SAME<br>(base\$1band\$1 OR base ADJ1<br>band\$1) AND channel\$1 NEAR3<br>(matric\$1 OR matrix\$1) and<br>(dummy adj1 data\$1)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/17 18:49 |
| L11 | 15 | (multi\$1input\$1 ADJ1<br>multi\$1output\$1 OR multi\$1 ADJ1<br>input\$1 ADJ1 multi\$1 ADJ1<br>output\$1 OR MIMO OR<br>single\$1input\$1 ADJ1<br>multi\$1output\$1 OR single ADJ1<br>input\$1 ADJ1 single\$1 ADJ1<br>output\$1 OR SIMO) AND<br>(multi\$1antenna\$1 OR antenna\$1<br>OR ant\$1) SAME (channel\$1 OR<br>sub\$1channel\$1) SAME<br>(base\$1band\$1 OR base ADJ1<br>band\$1) AND channel\$1 NEAR3<br>(matric\$1 OR matrix\$1) and<br>(dummy or additional adj1 data\$1)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/17 18:50 |
| L12 | 4  | (multi\$1input\$1 ADJ1<br>multi\$1output\$1 OR multi\$1 ADJ1<br>input\$1 ADJ1 multi\$1 ADJ1<br>output\$1 OR MIMO OR<br>single\$1input\$1 ADJ1<br>multi\$1output\$1 OR single ADJ1<br>input\$1 ADJ1 single\$1 ADJ1<br>output\$1 OR SIMO) AND<br>(multi\$1antenna\$1 OR antenna\$1<br>OR ant\$1) SAME (channel\$1 OR<br>sub\$1channel\$1) SAME<br>(base\$1band\$1 OR base ADJ1<br>band\$1) AND channel\$1 NEAR3<br>(matric\$1 OR matrix\$1) and<br>(dummy or additional adj1 data\$1)<br>and latency | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/17 18:51 |

## EAST Search History

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| L13 | 32 | (multi\$1input\$1 ADJ1<br>multi\$1output\$1 OR multi\$1 ADJ1<br>input\$1 ADJ1 multi\$1 ADJ1<br>output\$1 OR MIMO OR<br>single\$1input\$1 ADJ1<br>multi\$1output\$1 OR single ADJ1<br>input\$1 ADJ1 single\$1 ADJ1<br>output\$1 OR SIMO) AND<br>(multi\$1antenna\$1 OR antenna\$1<br>OR ant\$1) and (dummy or<br>additional adj1 data\$1) and latency                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/17 18:53 |
| L14 | 2  | (multi\$1input\$1 ADJ1<br>multi\$1output\$1 OR multi\$1 ADJ1<br>input\$1 ADJ1 multi\$1 ADJ1<br>output\$1 OR MIMO OR<br>single\$1input\$1 ADJ1<br>multi\$1output\$1 OR single ADJ1<br>input\$1 ADJ1 single\$1 ADJ1<br>output\$1 OR SIMO) AND<br>(multi\$1antenna\$1 OR antenna\$1<br>OR ant\$1) and (dummy or<br>additional adj1 data\$1) SAME<br>latency               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/17 18:54 |
| L15 | 2  | (multi\$1input\$1 ADJ1<br>multi\$1output\$1 OR multi\$1 ADJ1<br>input\$1 ADJ1 multi\$1 ADJ1<br>output\$1 OR MIMO OR<br>single\$1input\$1 ADJ1<br>multi\$1output\$1 OR single ADJ1<br>input\$1 ADJ1 single\$1 ADJ1<br>output\$1 OR SIMO) AND<br>(multi\$1antenna\$1 OR antenna\$1<br>OR ant\$1) and ((dummy or<br>additional) adj1 (data\$1 or signal))<br>SAME latency | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/17 18:55 |
| L16 | 28 | (multi\$1input\$1 ADJ1<br>multi\$1output\$1 OR multi\$1 ADJ1<br>input\$1 ADJ1 multi\$1 ADJ1<br>output\$1 OR MIMO OR<br>single\$1input\$1 ADJ1<br>multi\$1output\$1 OR single ADJ1<br>input\$1 ADJ1 single\$1 ADJ1<br>output\$1 OR SIMO) AND<br>(multi\$1antenna\$1 OR antenna\$1<br>OR ant\$1) and ((dummy or<br>additional) same (data\$1 or signal))<br>SAME latency | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/17 18:55 |

## EAST Search History

|     |         |                            |  |    |     |                  |
|-----|---------|----------------------------|--|----|-----|------------------|
| L17 | 4563494 | mimo and dummy signal      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/17 19:03 |
| L18 | 10      | mimo and dummy adj1 signal | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/17 19:03 |